

App. No. 10/772,715
Final Office Action Dated November 18, 2005

DEC 28 2005

Amendments to the Claims:

This Listing of Claims will replace all prior versions and listing of claims in the application. No new matter has been added.

Listing of Claims:

1-17 (Cancelled)

18. (Currently Amended) A method of manufacturing a soda-lime glass comprising zinc oxide and iron oxide (expressed as total iron oxide) wherein that allows formation of nickel sulfide particles in a glass formed by melting to be is suppressed in said glass, comprising by addition of adding a zinc compound to [[a]] glass raw material, materials and melting said glass raw materials, comprising

wherein the soda lime glass is formulated by either:

decreasing a content of [[a]] the zinc oxide within a range of 0.006 to 2.0 wt. %, when [[a]] the content of total iron oxide (in terms of Fe_2O_3) in a glass is increased within a range of 0.005 wt. % to 0.06 wt. %, [[and]] or

increasing [[a]] the content of the zinc oxide within a range of 0.006 to 2.0 wt. %, when [[a]] the content of total iron oxide (in terms of Fe_2O_3) in a glass is decreased within a range of 0.005 wt. % to 0.06 wt. %, thereby suppressing formation of nickel sulfide particles in the glass and

whereby the soda-lime glass exhibits high transmittance with a visible light transmittance of 90.0% or higher on a basis of a 4.0 mm thick glass sheet, while suppressing formation of nickel sulfide particles in the glass.

19. (Currently Amended) A method of manufacturing a soda-lime glass comprising zinc oxide and iron oxide (expressed as total iron oxide) wherein that allows formation of nickel sulfide particles is suppressed in [[a]] said glass, comprising adding formed by melting to be suppressed by addition of a zinc compound to [[a]] glass raw material, materials and melting said glass raw materials:

wherein the soda-lime glass is formulated by either:

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decreasing a content of ~~[[a]]~~ the zinc oxide ~~from a value in~~ within a range of 0.006 to 2.0 wt. %, when a content of total iron oxide (in terms of Fe_2O_3) in a glass is increased ~~from a value~~ in within a range of 0.005 wt. % to 0.02 wt. %, ~~[[and]]~~ or

increasing ~~[[a]]~~ the content of the zinc oxide ~~from a value in~~ within a range of 0.006 to 2.0 wt. %, when a content of total iron oxide (in terms of Fe_2O_3) in a glass is decreased ~~from a value~~ in within a range of 0.005 wt. % to 0.02 wt. %, thereby suppressing formation of nickel sulfide particles in the glass and

whereby the soda-lime glass exhibits high transmittance with a visible light transmittance of 90.0% or higher on a basis of a 4.0 mm thick glass sheet, ~~while suppressing formation of nickel sulfide particles in the glass.~~